



MICHIGAN Aviation

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2006 DAWN PATROL CALENDAR PULL-OUT



COMMISSION ACTION

The Michigan Aeronautics Commission met in Lansing on January 25, 2006. Action items included the approval of funding for airport improvements across the state. Some projects have federal, state, and local funding, while others are funded from state and/or local sources alone. Commission approval for federally funded projects authorizes state participation, subject to issuance of a federal grant. Federal and state dollars for airport development are primarily from restricted, user generated funds. The primary sources of revenue are aviation fuel and passenger taxes, as well as aircraft registration fees. Following are the approved projects:

ANN ARBOR

Ann Arbor Municipal Airport
\$562,500 for construction of a snow removal equipment building. \$450,000 federal, \$98,437 state, and \$14,063 local.

BAD AXE

Huron County Memorial Airport
\$82,200 for and airport layout plan update. \$65,760 federal, \$14,385 state, and \$2,055 local.

BARAGA

Baraga Airport
\$150,000 for preliminary engineering and environmental assessment for construction of a new airport. \$135,000 state and \$15,000 local.

BENTON HARBOR

Southwest Michigan Regional Airport
\$83,000 for design work for the rehabilitation of Runway 9/27. \$66,400 federal, \$14,525 state, and \$2,075 local.

CASEVILLE

Caseville Area Airport
\$40,800 for a new airport site selection study. \$36,720 state and \$4,080 local.

COLDWATER

Branch County Memorial Airport
\$38,000 for design work for the extension and rehabilitation of a taxiway. \$30,400 federal, \$6,650 state, and \$950 local.

DETROIT

Grosse Ile Municipal Airport
\$7,000 for design work for an easement acquisition and tree survey. \$5,600 federal, \$1,225 state, and \$175 local.

DOWAGIAC

Dowagiac Municipal Airport
\$1,025,000 for the rehabilitation of Runway 9/27. \$820,000 federal, \$179,375 state, and \$25,625 local.

ESCANABA

Delta County Airport
\$2,085,000 for the rehabilitation of Runway 9/27 and an airport layout plan update, including environmental overview. \$1,980,750 federal, \$52,125 state, and \$52,125 local.

GLADWIN

Gladwin Zettel Memorial Airport
\$51,000 for design work for T-hangar and taxi lane construction. \$40,800 federal, \$8,925 state, and \$1,275 local.

GRAYLING

Grayling Army Airfield
\$275,000 for installation of medium intensity runway lights, a precision approach path indicator, and runway end identifier lights for Runway 5/23. \$220,000 federal, \$48,125 state, and \$6,875 local.

HANCOCK

Houghton County Airport
\$457,554 for purchase of snow removal equipment, to update the airport layout plan and master plan, a benefit cost analysis for expansion of the terminal building, and wildlife habitat removal. \$434,676 federal, \$11,439 state, and \$11,439 local.

HARBOR SPRINGS

Harbor Springs Municipal Airport
\$500,000 for improvements to the parking lot, taxi streets, and the South access road and for T-hangar relocation. \$450,000 state and \$50,000 local.

HOUGHTON LAKE

Roscommon County Airport
\$180,000 to replace runway end identifier lights and precision approach path indicators. \$144,000 federal, \$31,500 state, and \$4,500 local.

HOWELL

Livingston County Airport
\$800,000 for installation of an instrument landing system. \$720,000 state and \$80,000 local.

Livingston County Airport

\$930,000 for land acquisition and a parallel taxiway. \$744,000 federal, \$162,750 state, and \$23,250.

IRONWOOD

Gogebic-Iron County Airport
\$393,000 for purchase of a snow-plow truck. \$314,400 federal, \$68,775 state, and \$9,825 local.

JACKSON

Jackson County-Reynolds Field
\$18,900 for an airport layout plan update. \$15,120 federal, \$3,307 state, and \$473 local.

LAMBERTVILLE

Toledo Suburban Airport
\$43,000 for an obstruction survey and an airport layout plan update. \$38,700 state and \$4,300 local.

LANSING

Capital City Airport
\$3,157,895 for land acquisition for the second phase of a Runway 28L extension project. \$3,000,000 federal, \$78,947 state, and \$78,948 local.

MACKINAC ISLAND

Mackinac Island Airport
\$251,563 for expansion of the terminal building and for pavement marking. \$201,250 federal and \$50,313 state funds.

MANISTEE

Manistee County-Blacker Airport
\$16,000 for a wildlife assessment report. \$12,800 federal, \$2,800 state, and \$400 local.

MARQUETTE

Sawyer International Airport
\$4,500,000 for emergency conduit repairs in the runway safety area, parking lot improvements, hangar electrical repairs, purchase of a rescue/firefighting vehicle, an airport master plan update, and construction of a sand storage building. \$4,275,000 federal, \$112,500 state, and \$112,500 local.

PARADISE

Paradise Area Airport
\$73,200 for an airport layout plan and obstruction analysis for a proposed new airport. \$65,880 state and \$7,320 local.

POINTE AUX PINS

Bois Blanc Island
\$66,100 for an airport layout plan update and an obstruction analysis. \$52,880 federal, \$11,567 state, and \$1,653 local.

COMMISSION ACTION
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AERONAUTICS COMMISSION WELCOMES NEW MEMBERS

Director Rob Abent and current members of the Michigan Aeronautics Commission take great pleasure in welcoming four new members. Capt. Dan Atkinson has been named to the Commission as the State Police representative by Director Tadarial J. Sturdivant, Brigadier General Richard G. Elliott has been designated as the representative for the Department of Military and Veterans Affairs by Maj. General Thomas Cutler, and Kirk T. Steudle replaces Gloria Jeff as Director of the Michigan Department of Transportation. Finally, Governor Jennifer Granholm has appointed Joyce M. Woods, of Linden, to a vacant seat.

Capt. Daniel B. Atkinson is Commander of the Field Operations Division for the Michigan State Police where he oversees the Emergency Support Team, Underwater Recovery Unit, Aviation Unit, Canine Unit, Traffic Services Section, Prevention Services Section, Operations Desk, and Criminal Intelligence Unit. Capt. Atkinson's law enforcement career began in 1977 as a Flint Township police officer. In 1978 he joined the Genesee County Sheriff's Department as part of the newly-formed paramedic unit. Following graduation from the state police recruit school in 1986 he served as a trooper at the Northville, Bridgeport, and Flint posts and as a sergeant at the East Lansing and Flint posts. Capt. Atkinson was honored as Trooper of the Year at the Flint and Northville posts. He is also a graduate of the FBI academy.

Brigadier General Richard G. Elliott is the Assistant Adjutant General for Air with the Michigan Air National Guard. He is responsible for policies, plans, and programs affecting more than 2,700 members of the Michigan Air National Guard including two general-purpose fighter units, one airlift unit, and a Combat Readiness Training Center. General Elliott is a Command Navigator with 3000 hours of flight time. He maintains proficiency as a tactically qualified C-130E navigator. He holds a bachelor's degree from the University of North Carolina and master's degree from Pepperdine University.

Kirk T. Steudle was recently named Director of the Michigan Department of Transportation by Governor Jennifer Granholm. Prior to this designation he served as the department's Chief Deputy Director. During his 19-year career, he has served and chaired many committees ranging from specifications for construction to warranties to leadership conferences to employee mentor programs. Mr. Steudle represents MDOT on the Michigan Transportation Asset Management Council and chairs the AASHTO Subcommittee on Asset Management. In August 2004, Mr. Steudle participated as a member of the National Asset Management Delegation conducting a Transportation Asset Management Seminar in Riga, Latvia for the countries of Estonia, Latvia, and Lithuania. In April 2006, he was a member of a FHWA/AASHTO International Scan regarding Asset Management in Australia, New Zealand, Canada, and England. He currently is involved with the auto manufacturers in development of Vehicle Infrastructure Integration (VII) which enables vehicles to communicate with the road network to promote greater safety and mobility. He recently coordinated the first-of-its-kind Transportation Summit – engaging 500 citizens, interest groups and stakeholders in developing a 21st Century vision for transportation in Michigan.

Mr. Steudle is a graduate of Lawrence Technological University with a Bachelor of Science degree in Construction Engineering and is a registered professional engineer in Michigan. He is also a former city councilman for the City of Essexville, Michigan. In his spare time, he coaches a team of elementary children in *Destination Imagination*, a program that teaches creative thinking, teamwork, technical innovations and performance skills.

Joyce M. Woods is a chemical engineer with the Dow Chemical Company, where she has worked for 26 years. She was honored as the "1996 Woman of Excellence" by the Federation of Houston Professional Women and received the "Distinguished New Engineer" award from the National Society of Women Engineers in 1987. Ms. Woods is an aircraft owner and private pilot, with a multiengine rating. She is presently President of the Michigan Aviation Association and served as co-director of the Michigan Air Tour in 2003 and 2004. She has been active in support of aviation safety in Michigan and was a speaker at the 2006 Great Lakes International Aviation Conference.

COMMISSION ACTION

Continued from Previous Page

PONTIAC

Oakland County International Airport
\$100,000 for design work for improvements to the Runway 9 safety area. \$80,000 federal, \$17,500 state, and \$2,500 local.

PORT HURON

St. Clair County International Airport
\$31,000 for design work for the rehabilitation of Taxiway C. \$24,800 federal, \$5,425 state, and \$775 local.

ROMEIO

Romeo State Airport
\$70,000 for design work for terminal area site preparation. \$56,000 federal, \$12,250 local, and \$1,750 state.

SAGINAW

MBS International Airport
\$1,907,000 for purchase of a rescue/ firefighting vehicle and construction of a storm drain. \$1,811,650 federal, \$47,675 state, and \$47,675 local.

ST. IGNACE

Mackinac County Airport
\$551,319 for design and construction of T-hangars and a navigation easement. \$441,055 federal, \$96,481 state, and \$13,783 local.

STATEWIDE

\$125,208 for aircraft rescue and firefighting training at airports across the state.

TRAVERSE CITY

Cherry Capital Airport
\$6,500,000 for demolition of the old terminal building, construction of a snow removal equipment storage building, and to rehabilitate the Runway 10/28 runway lights.

WEST BRANCH

West Branch Community Airport
\$30,500 for an airport layout plan update. \$24,400 federal, \$5,337 state, and \$763 local.

2006 DAWN PATROL CALENDAR PULL-OUT

See Pages 5 to 8



INSTRUCTOR'S CORNER

By Tom Krashen

INSTRUMENT PROFICIENCY – CHEAP INSURANCE

According to the Federal Aviation Administration and National Transportation Safety Board, one of the most consistent causes of aircraft accidents is “continued visual flight into instrument meteorological conditions.” This seemingly benign phrase is a euphemism for a pilot -- not proficient in instrument flight -- becoming disoriented after stumbling (or venturing) into bad weather. Unfortunately, this all-too-common scenario almost always ends badly.

BASIC INSTRUMENT SKILLS

In the early 1970s the FAA began requiring that all private pilot applicants receive some instruction in the control of an aircraft by reference to instruments. This requirement was in response to many accidents attributed to pilots finding themselves in weather conditions for which they were not trained. In the early 1990s, the current three-hour instrument instruction requirement was established for private pilots. During this three hours, private pilot candidates are expected to learn how to interpret basic flight instruments, control the aircraft, perform basic navigation tasks, and recognize and recover from unusual flight attitudes. All pilots (even those who are not instrument rated) should be proficient in controlling their aircraft solely by reference to instruments. Maintaining this proficiency requires periodic recurrent training.

Instrument-rated pilots are required to insure the currency of their instrument skills every six months. However, there is no such requirement for those pilots without instrument ratings. After receiving their private pilot certificate, pilots may only fly with an instructor every two years -- during their flight review. In that time, instrument skills can deteriorate significantly. In order to remain proficient, it is essential that pilots practice instrument flying skills frequently.

Instrument flying skills can quite literally be a lifesaver if a pilot finds him or herself unexpectedly in the clouds. These skills can be equally helpful in conditions which are technically VMC, but make visual control of the aircraft difficult. Examples include night flying (especially in poorly lighted areas) and flying in haze (especially when heading into the sun).

INSTRUMENT CROSS-CHECK

Instrument cross-check, or scanning, is the process of observing each of the instruments in a logical order in order to glean necessary information. Once mastered, instrument cross-checking becomes almost second nature. However, without regular practice this skill can rapidly deteriorate. Beginners and pilots who are not current on instruments can expect to make several common errors. *Fixation* is staring at a single instrument in lieu of other instruments. *Omission* is another error associated with instrument cross-checking. It occurs when pertinent instruments are omitted from the pilot's scan at a critical time. The third cross-checking error is *emphasis* on a single instrument. Most commonly the pilots committing the error of emphasis will stare at the attitude indicator without glancing at other relevant instruments to insure precise control. Regular instrument practice will help pilots recognize and avoid these errors.

INSTRUMENT INTERPRETATION

Instrument interpretation requires that pilots combine knowledge of each instrument's operating principals with knowledge of the aircraft's performance and handling characteristics. This skill requires practice to learn what performance to expect from a given aircraft power setting and attitude.

AIRCRAFT CONTROL

The third, and most important skill, is the result of cross-checking and accurate instrument interpretation. To maneuver an aircraft through all regimens of flight we can really only control three things: pitch attitude, bank attitude, and power setting. By learning to manipulate the controls in response to instrument cues the pilot is able to fly as precisely by sole reference to instruments as by visual reference.

For a thorough discussion of attitude instrument flying, interested readers can refer to the FAA's *Instrument Flying Handbook*.

ASR APPROACH

An Airport Surveillance Radar (ASR) approach is an oft-overlooked procedure which is nothing short of amazing. The procedure is accomplished solely by flying headings and altitudes assigned by an air traffic controller. Reception of navigation aids is not required. Using a radar console set to a very detailed scale, the controller will issue headings which will align the aircraft precisely with the runway. The only catch is that the pilot must be able to hold these headings with reasonable precision (that's where practice becomes important). While an ASR approach is designed as a standard instrument approach procedure and is occasionally used during normal operations, its real utility lies in its emergency value. At a minimum all pilots (instrument rated or not) should know where to find an ASR approach, know how to request it, and have practice flying it. It is not an exaggeration to say that such skill may indeed be life-saving.

SUPPORT YOUR LOCAL FLIGHT INSTRUCTOR

At a minimum every pilot should feel confident in his or her ability to control the aircraft in all normal flight conditions solely by reference to instruments. This includes straight and level flight, constant rate and airspeed climbs and descents, turns of varying bank angles, and changes in airspeed. Pilots should also be competent in proper use of the autopilot if available. Additionally, pilots should be proficient in the recognition of and recovery from unusual flight attitudes. Finally, while maintaining aircraft control, pilots should be able to request assistance from air traffic control and conduct basic navigation.

To insure that your instrument skills remain sharp, consider doing what the pros do. Every six months airline, charter, and most corporate pilots undergo recurrent training. In addition to a review of aircraft systems, these biannual reviews are an excellent opportunity to practice seldom-used skills like unusual attitudes, partial panel, and ASR approaches. For less than the cost of one fill-up with avgas in most airplanes, you can hire your local flight instructor for an hour or two. And that truly is cheap insurance.

13TH ANNUAL AVIATION AEROSPACE TEACHER WORKSHOP

Saturday, May 20, 2006
8:00 a.m. - 4:00 p.m.

On **Saturday, May 20, 2006**, the Michigan Department of Transportation will host the 13th Annual Aviation/Aerospace Teacher Workshop. The workshop is a unique opportunity for educators, at all grade levels, to explore ways aviation and aerospace can be incorporated into classroom activities.

The workshop will be conducted **by teachers, for teachers**. Participants will have an opportunity to interact with other educators, as well as aviation professionals, who will present seminars on a variety of subjects. A wide range of information and materials will be provided as part of the registration fee, including aerospace curricula, career information, and resource guides. The program also qualifies toward the fifteen days of professional development credit required of probationary teachers.

A vast resource center that includes a selection of classroom aids, curricula, career guides, and industry promotional materials will be available. As a special feature, the workshop will include the opportunity to take an actual introductory flight (weather permitting) with a certified flight instructor. Finally, door prizes will be awarded throughout the day, including many fine aircraft models.

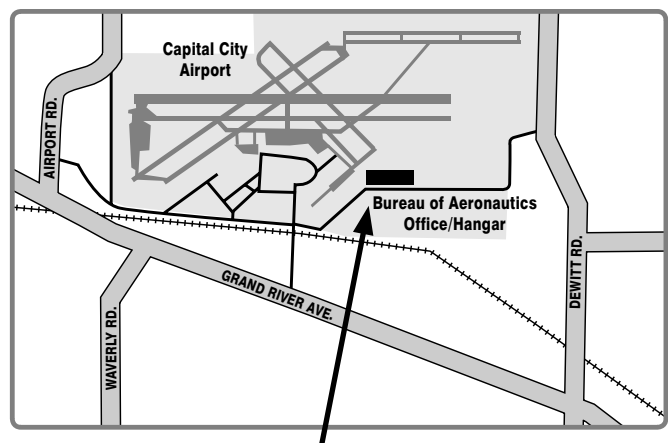
The morning general session will feature two outstanding speakers. **Dr. Brian Gilchrist** is the Associate Chair and Professor of Electrical Engineering and Computer Science at the University of Michigan. His specializations and research interests include tethered satellites and high-speed space propulsion systems. He has led a student team designing and building U-M's first-ever student satellite. Dr. Gilchrist has also led a team of researchers from U-M, Utah State, and Stanford investigating tether electrodynamic fundamentals in the Earth's ionosphere. In 1994 he was the keynote speaker at the European Space Agency, Roundtable on Space Tethered Applications.

Ms. Sandra Campbell is nationally-renowned for her award-winning monologue, "Follow Your Dreams," in which she reenacts the life of Bessie Coleman, the first African-American (of record) to earn a pilot's license. She has performed the play for schools, corporations, churches, and civic groups across the nation. In 1999 she was asked to perform it at the Smithsonian Institution's National Air and Space Museum. It has received numerous accolades, including the YWCA "Hearts of Gold" award, the Tuskegee Airman's "Humanitarian Award," and the National Council on Aerospace Education's "Leadership Award." Ms. Campbell presently works for the Federal Aviation Administration as a manager with the Small Airplane Directorate of the Aircraft Certification Service, in Kansas City, MO.

In the afternoon, a variety of breakout sessions will be presented, including the opportunity to take an introductory flight around the Lansing area. Aviation/aerospace concepts, presented at previous workshops, have proven to be highly successful in helping students to set goals, build self-esteem, and establish habits for success. The emphasis is on the practical application of science, math, reading, geography, and other subjects. Teachers will be given materials for immediate classroom use.

Cost for the entire day is \$40.00, which includes lunch and all resource materials. Additional information and registration is available on our web site at www.michigan.gov/aero. You may also register by phone or mail by contacting:

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AVIATION IN-FORMATION

Cherry Capital Airport in Traverse City was recently named the 2005 Airport of the Year by the Airline Pilots Association International (ALPA). The airport was recognized for its outstanding snow removal program and for working with pilots to improve safety in air and ground operations. The award was presented during ALPA's Air Safety Forum held in Washington D.C. Airport Director, Stephen Cassens and Northwestern Regional Airport Commission Chairman, Stephen Beeker accepted the award. Representing more than 64,000 pilots at 41 airlines in the U.S. and Canada, ALPA is the world's largest pilots union.

Marcelaine Lewis, Manager of Agate Beach Aviation in Houghton, has been named "2006 General Aviation Flight Instructor of the Year" by the Federal Aviation Administration, Grand Rapids Flight Standards District Office. Tim Phillips, FAA Office and Safety Program Manager, and Dan Allison, FAA Assistant Office Manager, made the presentation in Frankenmuth on March 11 at the Ninety-Nines Amelia Earhart Scholarship Brunch. The plaque awarded Lewis cites, "Her Outstanding Contributions to Aviation Safety Through Education in the State of Michigan." During the presentation, Phillips congratulated Lewis, and stated that the Grand Rapids FAA staff wanted to express their pride in her being selected. He added that there had been a number of excellent nominees for the coveted award. In reviewing her nomination package, he was impressed by all that she had accomplished. He said that her many achievements in the aviation industry were noteworthy and deserving of honorable recognition.

Recently enacted legislation in Michigan provides an exemption for non-resident customers from the state sales tax on aircraft parts and materials associated with installations and modifications. The legislation also provides an exemption from the sales tax for aircraft which are temporarily located in Michigan for the purpose of pre-purchase evaluation or post-sale work, providing the aircraft will not be based in Michigan following the sale.

The recently-released 2005 Federal Radio Navigation Plan (FRP) – a joint production of the U.S. Department of Transportation, Department of Defense, and Department of Homeland Security – provides a glimpse of what air navigation will be like in the coming decade. The basic tenet of the plan is that in the near future the airspace environment will be satellite-dominated because the Global Positioning System (GPS) works well and

a satellite system would allow the federal government – primarily the FAA – to gradually divest itself of the heavy financial burden of the thousands of terrestrial navigation aids (NAVAIDS) it operates today.

Currently, there are around 1,300 NDBs, 1,050 VORs, 1,025 DMEs and 1,275 ILSs as well as marker beacons spread across the National Airspace System (NAS), along with an unspecified number of radars installations. Other federal and state government agencies also operate NAVAIDS in the NAS. The Department of Defense has several dozen of its own VOR/DMEs, VORTACS and TACANS – the latter two of which include civil DMEs – while the U.S. Coast Guard runs the nation's 29 LORAN stations. The State of Michigan currently operates four non-federal VORs at Bad Axe, Houghton Lake, West Branch and Newberry.

Insiders expect NDBs will be the first NAVAIDS to be cutback. Already, the FAA has withdrawn a large number of NDB procedures, and the agency will progressively decommission transmitter stations until all that remain are an unspecified number serving Alaska, offshore areas such as the Gulf of Mexico and what the FRP describes as "international gateways."

VORs will follow, with a gradual reduction of facilities as the global positioning system combined with wide area augmentation (GPS/WAAS) and WAAS-enabled LPV procedures become firmly established. But a minimum operating network of VORs (probably 300 to 400) will remain through 2020, primarily as backups in case of GPS failures or interference.

The phase-out of Category I ILS approaches and localizer-only approaches is scheduled in the federal radio navigation plan to begin around 2015, coincident with the expected introduction of the WAAS-based Category I satellite landing system (GLS), along with improvements in the GPS satellite constellation.

One ILS will remain at every current ILS-equipped airport for backup purposes. All Category II and III installations are expected to remain operational until at least 2020, which may subtly underline the agency's current uncertainty about the likely introduction date of their satellite-based replacements.

AIR SERVICE UPDATE

Despite the cloud of financial uncertainty looming over the airline industry, some of Michigan's air carrier airports discovered a silver lining of increased passenger boardings and service enhancements. In fact, 12 of the 17 air carrier airports finished 2005 with increased passenger totals. Highlights include:

Alpena County Regional Airport - As a result of an aggressive air service development partnership with MDOT and the USDOT, the airport led Michigan in 2005 with nearly 24 percent growth in passenger totals.

Ford Airport, Iron Mountain - Buoyed by the highly reliable service of Midwest Connect Airlines, the airport finished 2005 with a passenger increase of 16 percent.

Chippewa County International Airport, Sault Ste. Marie - Using a grant awarded under MDOT's Carrier Recruitment Program, the community partnered with Northwest Airlink to reestablish nonstop service to Detroit Metro Airport. As a result, total ridership increased over 15 percent through the end of the year.

Gogebic County Airport, Ironwood - The popularity of twice daily service to Milwaukee on Midwest Express has led to a passenger increase of 11 percent through the end of the calendar year.

Houghton County Memorial Airport - For the first time in decades, scheduled jet service was made available to Houghton Area travelers. In November, Northwest Airlines announced that a Canadair Regional Jet would provide daily service to complement the existing turboprop service to their hub in Minneapolis. For calendar year 2005, passenger totals increased 1.6 percent.

Other airports with passenger increases for 2005 include:

- Muskegon County Airport (8.8 percent)
- Cherry Capital Airport, Traverse City (8.3 percent)
- Kalamazoo/Battle Creek Int'l Airport (7.1 percent)
- Delta County Airport, Escanaba (6.6 percent)
- Sawyer Int'l Airport, Marquette (4.3 percent)
- Detroit Metro Airport (2.6 percent)
- Manistee County- Blacker Airport (0.3 percent)

THE ECONOMIC AFFECT OF AIRPORTS

Michigan's 236 public-use airports represent a vital link in our state's transportation infrastructure.

In 2000 the Michigan Airport System Plan (MASP) was prepared by Michigan Department of Transportation staff.

The plan affirmed the importance of airports on Michigan's economy and quality of life.

A FEW FAST FACTS

- Approximately 10 percent of all transportation services purchased in Michigan are aviation-related, amounting to \$2.7 billion annually.
- Households and governments spend approximately 36 percent of their transportation budgets on aviation, amounting to \$4.3 billion annually.
- For every million dollars spent in aviation construction in Michigan, 40 jobs are created directly and indirectly.
- Approximately one-third of every one million dollars invested in airports is by private engineering firms (who employ highly educated, highly paid individuals).

Airports are valuable assets to their communities. Whether large or small, an airport's value can be compared to that of an interstate highway interchange, a railroad station or harbor. Passenger air service is only a portion of the business activity which contributes to the airport's total economic benefit to its community. Six types of business activities have been identified as contributing to an airport's total economic effect.

OFF-AIRPORT BUSINESSES PROVIDING GOODS AND SERVICES TO AIRPORT EMPLOYEES

The airport itself employs a variety of skilled and well-paid individuals. Airline employees, airport administrators and service workers, police officers and firefighters, air traffic controllers, aircraft mechanics, pilots, flight instructors are all employed at different airports in varying numbers. Studies indicate that approximately 40 percent of their income is spent within the region on housing, retail items, services, and investments.

OFF-AIRPORT BUSINESSES SERVING AIRPORT PASSENGERS

A recent study at Lansing, Capital City Airport showed that about half of all airline passengers were not residents of the region. Of these passengers, two-thirds were traveling on business. Each of these business travelers stayed 2.5 days and spent about \$378 per visit. Visitors on leisure trips stayed an average of three days and spent \$269. This activity is typical at other Michigan airports. The compounding effect of bringing these dollars into a community is quite significant.

AIRPORT-DEPENDENT BUSINESSES

Electronic commerce, globalization, and evolving manufacturing processes have caused businesses to become more dependent on time-sensitive service for delivery of goods and services. Manufacturing, professional service, trade, education, and government have become reliant on the availability of affordable and dependable air service.

Easy access for out-of-town clients, travel for sales representatives, and air cargo are examples of business needs met by regional airports. Recent surveys have indicated that some businesses report that up to fifty percent of sales are dependent on nearby air service.

OFF-AIRPORT BUSINESSES PROVIDING GOODS AND SERVICES TO AIRLINES AND OTHER AIRPORT-DEPENDENT BUSINESSES

The include suppliers to airport businesses, suppliers to off-airport businesses that serve travelers, and suppliers to airport-dependent businesses.

Airport businesses create the need for goods and services such as printing/publishing; banking, insurance, accounting, and technical services; off-site parking for airport employees; food products for airport restaurants; wholesale merchandise sold in airport stores; and furniture and office equipment. In the Lansing, Tri-County region, approximately 119 jobs are generated from orders for these products which in turn generate approximately \$10.1 million in annual sales.

AIRPORT BASED ECONOMIC ACTIVITIES

In addition to people employed directly, airports support a variety of other aviation-related jobs. These jobs include airlines (passenger and cargo); terminal operations such as security, building maintenance, and facility management; airline support services like catering and aircraft fueling and maintenance; courier and freight delivery services; and ground transportation such as taxi, car rental, limousine, and public transportation.

Lansing, Capital City is Michigan's fourth busiest airport in terms of passenger traffic and the fourth busiest cargo airport. As of 2003, 540 people were employed providing goods and services in both the public and private sectors.

TAX REVENUES GENERATED FOR THE LOCAL ECONOMY BY ALL OF THE ABOVE

The businesses and associated jobs related to airports generate revenue for state and local governments.

- Airport fees such as landing, storage, fuel flowage fees, and leases.
- The state aviation fuel tax is currently three cents per gallon. The law provides a 50 percent refund of this tax for inter-state airline flights.
- State sales taxes on sales to private-sector airport tenants, airport-dependent businesses, travelers, and on-airport employees.
- Local property taxes generated by business growth supported by the airport and its users and suppliers.
- Miscellaneous local and state taxes and fees.

SUMMARY

As we've seen, an airport is a formidable economic engine for its region. The economic affect of an airport is a measure of the benefits it provides to the community. These benefits include the jobs, wages, and expenditures that take place at the airport. They also include the effects of these expenditures moving from hand to hand through the community, enhancing economic activity far from the airport itself. Economic benefits also include expenditures made by those transient passengers who use the airport but spend their money at other locations. Savings in time and money that the existence of the airport permits represent another economic benefit that resides with the community. Finally, economic benefits also include the intangible effect the airport has on business decisions to locate or remain in a specific area. Business location decisions based on airport availability are intangible and harder to identify and quantify. Unfortunately, these last benefits and the social values are difficult to measure.

Finally, and somewhat less tangible are "quality of life benefits" provided by an airport. The close proximity of reliable, efficient air service is cited by many as important when choosing where to reside.

Sources:

What's Your Airport Worth, Aircraft Owners and Pilots Association
Capital City Airport Economic Impact Study, Mead & Hunt, Inc.
and The Economic Development Research Group.

ERRATA

The following errata applies to the 2006 Michigan Airport Directory and Aeronautical Chart and is current at the time of publication. Please refer to our web site at www.michigan.gov/aero for updates.

AERONAUTICAL CHART

Benton Harbor: (BEH) AWOS
Frequency 121.55

Brooklyn: Race Track symbol SW of Brooklyn
Michigan, Shamrock Field should be labeled
"MIS" for Michigan International Speedway.

(Watch for Temporary Flight Restrictions
in this area during the summer months)

NW of Oscoda: private airport, "Stier"
delete airport symbol and data

Boyne Falls, Boyne Mt. Airport:
(BFA) PCL frequency 122.85

Detroit City Airport: ATIS should be 124.87

MICHIGAN AIRPORT DIRECTORY

Elk Rapids: Airport Manager
telephone number is 231-620-4300

Drummond Island: Airport loc-id is
now DRMAWOS freq is 118.325
AWOS telephone is 906-493-6410

St. Ignace: in airport frequency box,
MCD AWOS frequency is listed as
128.325 - should be 118.275.

Brooklyn Shamrock Field:
4th remark at the bottom of the page
should read * Arpt mgr 517-592-6253.

East Tawas: in frequency box, add
PCL (pilot controlled lighting) 122.85

Three Rivers: in frequency box,
add AWOS 119.975
Add AWOS telephone 269-273-6705

Detroit City Airport: ATIS should be 124.87

Jennifer Granholm, Governor MICHIGAN AERONAUTICS COMMISSION

Terry Everman, Chair - Flushing

James M. Collins, Vice Chair - Marquette

Sidney Adams, Jr., Battle Creek

Joyce M. Woods, Linden

Eric V. Smith, Northville

Kirk T. Steudle, Director
Michigan Department of Transportation

Capt. Daniel B. Atkinson
Michigan State Police

Brigadier General Richard G. Elliott
Michigan Department of Military and Veterans Affairs

Mindy Koch
Michigan Department of Natural Resources

Rob Abent, Director
Michigan Aeronautics Commission

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Executive Assistant to the Commission

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Randy Debler - Graphic Designer

ADDRESS CHANGE

Mailing data for Michigan Aviation is obtained from the
Federal Aviation Administration's database of current pilots
and is updated approximately three times per year.

Please send address changes to the
FAA, Airmen Certification Branch, AFS-760,
PO Box 25082, Oklahoma City, OK 73125-0082.

Address changes and other administrative tasks such as
name changes, obtaining replacement certificates, and changing
certificate numbers can also be accomplished on the FAA
website at http://www.faa.gov/pilots/lic_cert/change/.



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2700 E. Airport Service Drive Lansing, Michigan 48906-2160 / Telephone: 517-335-9283

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Lansing, Michigan
Permit No. 1200

2006 Dawn Patrol

MAY

- 6 Ypsilanti:
Willow Run Airport (YIP)
6:00 a.m. - 2:00 p.m. 2nd annual pancake breakfast. Sponsored by Alpha Eta Rho professional aviation fraternity. Contact MJ Thompson 734-231-3941.
- 7 Fremont:
Fremont Airport (3FM)
10:00 a.m. - 12:00 p.m. 5th Annual "Blessing of the Planes." Sponsored by EAA Chapter 578. Contact Rob Osborne 231-689-5447.
- 7 Owosso:
Owosso Community Airport (RNP)
11:00 a.m. - 3:00 p.m. Let's do lunch! Sponsored by the Owosso Airport Association. Contact Greg Cochran 989-725-1969.
- 13 Cadillac:
Wexford Co. Airport (CAD)
8:00 a.m. - 12:00 p.m. Wexford County Airport Open House. Airplane and helicopter displays. Rides available. Sponsored by the Wexford County Airport Authority. Contact Bob Clark 231-779-9525.
- 13 Detroit: Detroit City Airport (Southwest T Hangar 9M)
9:00 a.m. - 12:00 p.m. Eximious Flying Club Plane Wash. Wash and wax the club's three Cherokees, meet and greet prospective new members. Call ahead to clear security at the French Road gate. Sponsored by Eximious Flying Club. Contact Dick Moy 248-568-3305.
- 14 Napoleon, Lions Memorial Park (across from Napoleon Airport)
7:00 a.m. - 11:00 a.m. Fly-in breakfast. Sponsored by the Napoleon Lions. Contact Richard Tallman 517-536-4476.
- 20 Parchment:
Triple H Airport (2H4)
12:00 p.m. Spring fly-in potluck, lunch served at noon. Please bring a dish to pass. Sponsored by Triple H Airport. Contact Ann at 269-385-1836. www.love2fly.us.
- 20 Marshall:
Brooks Field (RMY)
4:00 p.m. - 6:00 p.m. Brooks Field Aviation Association's annual Spring cookout and open meeting. Go to www.brooksfield.org or call 269-727-0401.
- 20 Howell:
Livingston Co. Airport (OZW)
9:00 a.m. Poker run begins. BBQ and hangar flying to follow. Rain date May 21. Sponsored by EAA Chapter 1056. Call Jim Nye 517-548-4337.
- 21 Benton Harbor:
Southwestern Michigan Airport (BEH)
Fly-in/Drive-in pancake breakfast. Sponsored by EAA Chapter 585 and the Taildragger Flyer's Flying Club. Contact William Lawson 269-423-8070.
- 21 Eastport:
Torchport Airpark (59M)
7:00 a.m. - 11:00 a.m. Dawn patrol. Sponsored by the Friends of Torchport. Contact Duane Jorgensen 231-599-3128.
- 27 Chesaning:
Chesaning Airport (50G)
11:00 a.m. - 4:00 p.m. Fly-in/Drive-in. In conjunction with the Townwide Attic Sale and Trash to Treasure Days. Sponsored by EAA Chapter 597. Contact Gerald Morford 810-513-4255.
- 28 Lake City:
Home Acres Sky Ranch (Y91)
7:00 a.m. - 11:00 a.m. All-you-can-eat breakfast. Fuel not available. Sponsored by Home Acres Lot Owners Association. Call Ray White 231-839-3307.
- 29 Belleville:
Willow Run Airport (YIP)
8:00 a.m. Yankee Air Force Memorial Day Observance. Pancake Breakfast 8:00 a.m., Observance 12:00 p.m. Sponsored by the Yankee Air Force. Contact Dick Stewart 734-483-4030.

Patrol Calendar

JUNE

- 
- 1-3 Jackson:
Jackson Co. Airport (JXN)
Call for times Annual 3-day Blues Music Festival featuring nationally-known bands on the airport front lawn. Contact Kent Mauer 517-788-4225.
- 3 Muskegon:
Muskegon Co. Airport (MKG)
Executive Air Transport 8:00 a.m. - 12:00 p.m. 11th Annual CareAffaire - Muskegon. Fund-raiser for Wings of Mercy. Warbird displays and rides (call 231-798-2126), T-34 formation team, 5K run around the airport. Sponsored by Macatawa Bank. Contact Tom Hoch 616-402-8754.
- 4 Houghton Lake:
Roscommon Co. - Blodgett Memorial Airport (HTL)
7:00 a.m. Fly-in breakfast. Sponsored by the Houghton Lake Pilots Association. Call Norma Blodgett 989-366-7660.
- 4 Coldwater:
Branch Co. Memorial Airport (OEB)
7:00 a.m. - 12:00 p.m. 60th Annual fly-in/drive-in pancake breakfast. Door prizes. Sponsored by the Flying Club of Branch County. Contact John VanDam 517-369-9772.
- 4 Grosse Ile:
Grosse Ile Airport (ONZ)
8:00 a.m. - 4:00 p.m. Grosse Ile Island Fest. Pancake breakfast, aircraft displays, helicopter rides, carnival, and vendors. Sponsored by the Grosse Ile Recreation Department and the Sacred Heart Knights of Columbus, Council 13475. Call Derek Thiel 734-675-0155
- 10 Grand Rapids:
Gerald R. Ford Int'l Airport (GRR)
Northern Jet Management.
7:30 a.m. - 11:30 p.m. CareAffaire - Grand Rapids. Fund-raiser for Wings of Mercy. Airplane and warbird rides available (call 616-336-4711). Sponsored by Macatawa Bank, Northern Jet Management, and Eddy's Ice Cream. Contact Rob Becker 616-437-4156.
- 10 Saginaw:
Harry Browne Airport (HYX)
Saturday 3:00 p.m. - dark, Sunday 9:00 a.m. - 3:00 p.m. Saginaw Co. Chopper Festival. Helicopters and airplanes of all shapes and sizes. Camping, sky-diving, steak dinner, bonfire Saturday night, rides to the Bavarian Parade on Sunday. Will be held rain or shine. Sponsored by Kaufman Aviation Management and the Saginaw Co. Sheriff, Aviation Division. Contact Al Kaufman 989-295-0675.
- 10 Troy:
Oakland Troy Airport (VLL)
9:00 a.m. - 12:00 p.m. Pancake breakfast/Eximious Flying Club plane show. The club's three Cherokees will be available for inspection and demonstration flights by prospective new members. Sponsored by Eximious Flying Club. Contact Dick Moy 248-568-3305.
- 11 Flushing:
Dalton Airport
7:00 a.m. - 11:00 a.m. 19th annual pancake breakfast. Sponsored by EAA Chapter 77. Call G. Hopcraft 810-348-5968.
- 11 Hart/Shelby:
Oceana Co. Airport
7:30 a.m. - Noon Fly-in pancake breakfast in conjunction with the National Asparagus Festival. Remote control aircraft, ultralights, antique aircraft and tractors. Sponsored by the Oceana Co. Airport Association and AvFuel Corporation. Contact Pete Kelly at 231-861-9910, 231-742-0210, or oceanaairport@core.com.
- 11 Jackson:
Jackson Co. Airport (JXN)
7:00 a.m. - 2:00 p.m. Pancake breakfast
7:00 a.m. - 11:00 a.m., Hot Dogs 11:00 a.m. - 2:00 p.m. Door prize drawings. Sponsored by EAA Chapter 304. Contact. Earl Scott 517-783-3988.
- 11 Ionia:
Ionia Co. Airport (Y70)
7:00 a.m. Pancake breakfast, Young Eagle flights, and glider rides. Sponsored by Benz Aviation. Contact Matt Kuhns 616-527-9070.

2006 Dawn Patrol

- 17 West Branch:
West Branch Community Airport
7:00 a.m. - 2:00 p.m. EAA Chapter 1253 fly-in. Sponsored by EAA Chapter 1253. Contact Denis Weiss 989-873-5908.
- 17 West Branch:
West Branch Community Airport (Y31)
7:00 a.m. - 1:30 p.m. Pancake breakfast, candy drop for kids. Sponsored by EAA Chapter 1253. Call 989-345-3717 or 989-345-1453.
- 17 Lakeview:
Griffith Field (13C)
7:30 - 11:00 a.m. Lakeview Pilots Association pancake breakfast, in conjunction with the city's "Summer Fest." Sponsored by the Lakeview Pilots Association. Contact Milt Weeks 989-352-7306.
- 17 Lapeer:
DuPont Lapeer Airport (D95)
12:00 p.m. - 4:00 p.m. Helicopters only fly-in. A large gathering of helicopters for all rotorwing enthusiasts. Lunch will be available. Event will be held rain or shine. Sponosred by Helicopters Only. Contact Skip Olszewski 810-516-7144.
- 18 White Cloud:
White Cloud Airport (42C)
7:00 a.m. - 11:30 a.m. 33rd annual Father's Day breakfast buffet. Sponsored by White Cloud Aviation. Contact Bob Kakoczki 231-689-5891 or 231-689-6126.
- 18 Plymouth:
Mettetal Airport (1D2)
7:00 a.m. - 11:00 a.m. Annual Father's Day pancake breakfast. Sponsored by EAA Chapter 113. www.eaa113.org or call 734-453-5375.
- 18 Bad Axe
Huron Co. Memorial Airport (BAX)
7:00 a.m. - 11:30 a.m. Famous homemade sausages, candy drop, R.C. display, airplane rides. Sponsored by the Huron Aviation Club. Contact Ellen Engler 989-269-6511.
- 18 Bay City:
James Clements Airport (3CM)
7:00 a.m. - 12:00 p.m. Father's day dawn patrol and pancake breakfast by Krzysiak's restaurant. Sponsored by the Valley Aero Club. Contact Ed or Linda Decker 989-879-5945.

- 18 Three Rivers:
Dr. Haines Airport (HAI)
7:30 a.m. - 12:00 p.m. Three Rivers Pilots Association Annual Dawn Patrol. Sponsored by the Three Rivers Pilots Association. Contact Derek Mulder 269-506-4230.
- 24 Allegan:
Allegan Airport (35D)
7:00 a.m. - 3:00 p.m. West Michigan Fly-in 2006. 6th Annual Fly-in/Car and bike show. Pancake breakfast and lunch. Young Eagle rides. Sponsored by Allegan Area Pilots Association, Dodgen Aircraft, and the City of Allegan. Contact Vickie Heckman at 269-673-4157 or Jason Blair at 269-673-8123
- 24 Kalkaska:
Kalkaska Airport (Y89)
7:00 a.m. - 12:00 p.m. Breakfast, airplane rides and static displays by the fire department and ambulance service. Visits by the Coast Guard, National Guard, and Air Ambulance helicopters. Tethered balloon rides. Sponsored by the Village of Kalkaska and the Kalkaska Airport Pilots. Contact Bill Cousins 231-258-9191 or bcousins@kalkaskavillage.com. www.kalkaskavillage.com.
- 24 Holland:
Tulip City Airport (BIV)
7:30 a.m. - 11:30 p.m. Temporary Tower staffed by MKG ATCT volunteers. CareAffaire - Holland. Fund-raiser for Wings of Mercy. Airplane and warbird rides available (call 616-392-7831). Breakfast served by Holland Lions Club. Sponsored by Macatawa Bank, Priority Health & Tulip City Air Service. Contact Bob Geurink 616-218-2102.
- 24 Drummond Island:
Drummond Island Airport (DRM)
8:00 a.m. - 12:00 p.m. Fly-in breakfast. Sponsored by the Drummond Island Lions. Call Bob Miller 906-493-5864.
- 24-25 Marshall:
Brooks Field (RMY)
9:00 a.m. - 5:00 p.m. Mission Aviation Fly-in. Speakers from Mission Aviation Fellowship and Jungle Aviation and Radio Service. Contact Dan at dan@metzgersaircraft.com or 269-727-0401.

- 25 Howell:
Livingston Co. Airport (OZW)
7:00 a.m. - 11:00 a.m. Pancake breakfast. Sponsored by EAA Chapter 1056. Call Jim Smith 517-223-8735.

JULY

- 1 Marshall:
Brooks Field (RMY)
11:00 a.m. - 2:00 p.m. Fly-in/Win Schuler's Brunch. In conjunction with Marshall's annual "Cruise to the Fountain" 50s classic car show. Call 269-727-0401.
- 1 Houghton Lake:
Houghton Lake State Airport (5Y2)
10:00 a.m. - 4:00 p.m. (Rain date July 2) Brats and dogs fly-in luncheon. Sea plane access one quarter mile from the airport. Sponsored by EAA Chapter 1259. Call Dave Tuck 517-202-6198.
- 2 Clare:
Clare Municipal Airport (48D)
7:30 a.m. - 11:00 a.m. Pancake breakfast in conjunction with Clare's Summer Fest. Sponsored by the Clare Area Pilots Association. Call Dick Acker 989-386-0445.
- 4 Big Rapids:
Roben-Hood Airport (RQB)
7:00 a.m. - 11:00 a.m. Freedom AirFest 2006. Pancake breakfast (pilot in command eats free), 25 cent hot dogs 11:30-3:00. Classic car show and military displays. Sponsored by the Big Rapids Flying Club. Contact Jim Harris 231-796-5600.
- 9 Hastings:
Hastings City/Barry County Airport (9D9)
7:00 a.m. - 11:00 a.m. Pancake breakfast. Sponsored by the Hastings Flying Association. Contact Ted Spoelstra 269-948-9100. Web site: www.ifly9d9.com
- 9 Chesaning:
Chesaning Airport (50G)
6:30 a.m. - 11:00 a.m. Annual fly-in/drive-in pancake breakfast. Airplane rides. Sponsored by EAA Chapter 597. Contact Gerald Morford 810-513-4255.
- 15-16 Chesaning:
Chesaning Airport (50G)
All Day. Ultralight and light-sport aircraft fly-in. Camping and parking for RVs. Walk to town for dining and entertainment. Dealer vendors invited. Sponsored by the Michigan Ultralight Association. Contact Denny Demeter 989-288-3090.

Patrol Calendar

15 Gaylord:
Otsego Co. Airport (GLR)
7:00 a.m. - 12:00 p.m. Pancake breakfast and fly-in. Young eagle and old buzzard flights. Part on Gaylord's Summer Alpenfest. Sponsored by EAA Chapter 1095. Contact Phil Curtiss 989-939-8715.

16 East Tawas:
Iosco Co. Airport (6D9)
7:00 a.m. - 12:00 p.m. Pancake breakfast in conjunction with the East Tawas Summer Festival. Sponsored by the Iosco County Flying Club. Contact Marvin Poland 989-362-5832.

AUGUST

5 Fremont:
Fremont Airport (3FM)
7:00 a.m. - 11:00 a.m. Fly-in pancake breakfast. Ultralights welcome. Sponsored by EAA Chapter 578. Contact Rob Osborne 231-689-5447.

12-13 Eastport:
Torchport Airpark (59M)
Saturday 4:30 p.m. - 7:00 p.m.
Sunday 7:00 a.m. - 11:00 a.m. Campout weekend. Dinner Saturday evening and breakfast Sunday morning. Breakfast sponsored by EAA Chapter 234 to raise scholarship funds for NMC flight students. Contact Duane Jorgensen 231-599-3128.

12 Marshall:
Brooks Field (RMY)
9:00 a.m. - 2:00 p.m. Young Eagle Rally. Free airplane and glider rides for kids age 8-17. Ultralight and light sport aircraft display. Sponsored by the Kalamazoo EAA Chapter and Marshall Soaring Club. Call 269-727-0401.

12 Brighton:
Brighton Airport
10:00 a.m. - 3:00 p.m. Second annual Brighton fly-in lunch. Sponsored by the Brighton Airport Association and EAA Chapter 384.

13 South Haven:
South Haven Regional Airport (LWA)
7:00 a.m. - 12:00 p.m. Fly-in and Rotary Club breakfast in conjunction with the South Haven Blueberry festival. Contact David Johnson 269-637-7343.

13 Caro:
Tuscola Area Airport
11:00 a.m. - 3:30 p.m. Kiwanis/Caro Airport Fly-in. Raffle for 50 gallons of fuel courtesy of AvFuel, crafts, Air Force fly-by, skydivers, radio-control airplane demonstrations. Sponsored by the Kiwanis Club and the Caro Airport. Contact Dawn Tinsey 989-551-1641.

13 Lapeer:
Dupont-Lapeer Airport (D95)
7:00 a.m. - 11:00 a.m. Fly-in/drive-in pancake breakfast. Antique and experimental aircraft displays. Sponsored by EAA Chapter 1303 and Lapeer Aviation. Contact Garry Butler 810-706-0043.

19 Northport:
Woolsey Memorial Airport (5D5)
8:00 a.m. - 12:00 p.m. Fly-in, drive-in breakfast. Sponsored by the Northport Lions. Contact John Sparling 231-386-5762.

19 Kalamazoo:
Newmans Field (4NO)
Lunch served at 12:00 p.m. Fly in lunch. Please bring a dish to pass. Sponsored by Dan and Deb Wilkinson and Bill and Nancy Nagle. For more information go to www.skymaster.info/Newmans.

19 Holland:
Park Township Airport (HLM)
7:00 a.m. - 3:00 p.m. "AirAffair" fly-in. Pancake breakfast, hot dog lunch, young eagle flights. "Swap and shop" along with aircraft construction demonstrations. Sponsored by EAA Chapter 1242. Contact Lin Light 616-335-2540.

20 Howell:
Livingston Co. Airport (OZW)
7:00 a.m. - 11:00 a.m. Pancake breakfast in conjunction with the Howell Mellon Festival. Sponsored by EAA Chapter 1056. Call Jim Smith 517-223-8735.

24-27 Newberry:
Luce County Airport
8:00 a.m. County Fair fly-in. Free admission for pilot and crew. Sponsored by Luce County. Contact Jay Hollnagel 906-293-2926.

27 Mt. Pleasant:
Mt. Pleasant Municipal Airport (MOP)
8:00 a.m. - 12:00 p.m. Fly-in/drive-in pancake breakfast. Sponsored by EAA Chapter 907. Call Bill Cain 989-772-3939.

27 Greenville:
Greenville Municipal Airport (6D6)
7:00 a.m. - 12:00 p.m. Fly-in, drive-in pancake breakfast. Free shuttle service to the Fighting Falcon Air Museum and Nelson's Speed Shop. Sponsored by the Greenville Area Aviation Association. Contact Gary Miesch 616-984-5050.

27 Saginaw:
Harry Browne (HYX)
8:00 a.m. - 12:00 p.m. Saginaw Valley Division of the Yankee Air Force Dawn Patrol and Pancake Breakfast. Sponsored by the Saginaw Valley Division of the Yandee Air Force. Contact Fred Kapa 989-325-1423.

SEPTEMBER

10 Marshall:
Brooks Field (RMY)
8:30 a.m. - 4:00 p.m. Brooks Field 75th Anniversary Fly-In. In conjunction with the Marshall Historic Home Tour. Pancake breakfast, vintage planes, aerobatic show, and more. Call 269-727-0401.

10 Fowlerville:
Maple Grove Airport and Heliport
7:00 a.m. - 11:00 a.m. 57th Fly-In Anniversary. Sunday breakfast, rain or shine, camping Fri. & Sat. nights. Sponsored by Fowlerville Rotary. Call 517-223-7809. Email: dennisb@cac.net.

16 Thompsonville:
Thompsonville Airport (7Y2)
11:00 a.m. - 2:00 p.m. Chili and Brat fly-in/drive-in. Sponsored by the Thompsonville Airport. Call Don Shipman 231-276-9094.

16 Parchment:
Triple H Airport (2H4)
12:00 p.m. Fall fly-in potluck, lunch served at noon. Please bring a dish to pass. Sponsored by Triple H Airport. Contact Ann at 269-385-1836. www.love2fly.us.

30 Detroit:
Detroit City Airport
(Southwest T Hangar 9M)
9:00 a.m. - 12:00 p.m. Eximious Flying Club Plane Wash. Wash and wax the club's three Cherokees, meet and greet prospective new members. Call ahead to clear security at the French Road gate. Sponsored by Eximious Flying Club. Contact Dick Moy 248-568-3305.